



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/US99/03412 <b>(22) International Filing Date:</b> 17 February 1999 (17.02.99)  <b>(30) Priority Data:</b> 09/025,209           18 February 1998 (18.02.98)   US 09/093,702           8 June 1998 (08.06.98)       US  <b>(71) Applicant:</b> PITTSBURGH MINERAL AND ENVIRONMENTAL TECHNOLOGY, INC. [US/US]; 700 Fifth Avenue, New Brighton, PA 15066-1837 (US).  <b>(72) Inventors:</b> WEYAND, Thomas, E.; R.D. #3, Box 629, Beaver Falls, PA 15010 (US). KOSHINSKI, Casimir, J.; 1831 Droz Avenue, Ambridge, PA 15003 (US). BAUM, Wolfgang; 616 Herron Court, Coraopolis, PA 15108 (US).  <b>(74) Agent:</b> QUEEN, Benjamin, T., II; Eckert Seamans Cherin & Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA 15219 (US).		<b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> METHOD OF MAKING BUILDING BLOCKS FROM COAL COMBUSTION WASTE RELATED PRODUCTS  <b>(57) Abstract</b> <p>A method of making a building block from waste particulate siliceous materials, such as fly ash, bottom ash, and rock mineral fines, that includes employing a major amount of such waste particulate materials in combination with a calciferous additive and water to cure and shape the same under the influence of controlled pressure and temperature for a predetermined time to create building block characterized by a mineralogical crystalline phase. Preferred ratios of fine waste particulate material and coarser waste particulate materials are disclosed. The product produced by the method is also disclosed.</p>		